



Implantable port with low profile housing for delivery/collection of fluids and implantation method

Patent number: AU7813498
Publication date: 1998-12-21
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Classification:
- International: A61M5/00
- european:
Application number: AU19980078134D 19980603
Priority number(s): US19970869636 19970605; WO1998US11455 19980603

Also published as:

 WO9855167 (A1)
 US5848989 (A1)

Abstract not available for AU7813498
Abstract of correspondent: **US5848989**

An implantable port having a low profile housing for delivery/collection of fluids into and out of a body. The low profile housing includes a selectively configured open flared end which serves to guide a needle directly into an inlet defined in the housing. A septum is mounted in the port's inlet via a hollow core which is inserted into the housing in a compression fit. The septum is selectively compressed to reduce its deflection characteristic to minimize backflow of fluid into the port. A catheter of selected size may be connected to a port outlet to direct fluid to a desired location. The implant may be configured to have multiple ports or to have a specially adapted outlet for cranial mounting. An implantation method is also provided where only the leading flared end of the port is sutured to the fascia. Where the port is implanted in a laboratory animal, preferably dissolvable sutures are used to permit migration of the port to accommodate the animal's growth.

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